

DECLARATION OF PERFORMANCE

No. 64004 -a-CPR_2021.09.1

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|------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Unique identification code of the product-type | 64004 – Powerdeck F |
| Intended use/es | Thermal insulation for buildings |
| Manufacturer | Recticel Ltd. – Enterprise Way, Meir Park – Stoke-On-Trent, ST3 7UN -UK |
| System/s of AVCP | AVCP 3 |
| Harmonised standard | EN 13165:2012 + A2:2016 |
| Approved body/ies | Approved bodies testing laboratory No. NB 0836 & NB 1136 determined the production type under system AVCP3. |

| Essential characteristics | Performance | |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| | (The letters 'NPD' (No Performance Determined) are indicated where no performance is declared.) | |
| Reaction to fire | Reaction to fire | F |
| Reaction to fire – end use | Reaction to fire – end use | NPD |
| Thermal resistance | Thermal resistance (R_D in m^2K/W) | 1,15 for d_N 30mm 3,00 for d_N 79mm 3,20 for d_N 80mm 4,75 for d_N 119mm 5,00 for d_N 120mm 6,65 for d_N 160mm |
| | Thermal conductivity (λ_D in W/mK) | 0,026 for d_N 30-79mm 0,025 for d_N 80-119mm 0,024 for d_N 120-160mm |
| Thickness | d_N : 30-160 mm | T2 |
| Compressive strength | CS(10/Y)150 | |
| Tensile strength/shear behaviour | Tensile strength perpendicular to faces: Shear strength: Shear modulus: | TR80 NPD NPD |
| Water permeability | Water absorption - short term by partial immersion - long term by partial immersion - long term by total immersion Flatness after one-sided wetting | NPD NPD WL(T)2 NPD |
| Water vapour permeability | Water vapour transmission | NPD |
| Acoustic absorption index | Sound absorption | NPD |
| Direct airborne sound insulation index | Sound absorption | NPD |
| Continuous glowing combustion | No harmonized test method available | |
| Release of dangerous substances to the indoor environment | No harmonized test method available | |
| Durability of reaction to fire against heat, weathering, ageing / degradation | Reaction to fire does not change with time | |
| Dimensional stability under specified temperature and humidity conditions | 48h, 70°C, 90% R.H. | DS(70,90)3 |
| | 48h, -20°C | DS(-20,-)1 |
| Deformation under specified compressive load and temperature conditions | 40 kPa, 70°C, 168h | DLT(2)5 |
| Compressive creep | | NPD |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

at Wevelgem on September 1st 2021

Wim Giebens – Industrial Manager Recticel Building Insulation